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(54) Title: **TISSUE PROTECTIVE CYTOKINES FOR THE PROTECTION, RESTORATION, AND ENHANCEMENT OF RESPONSIVE CELLS, TISSUES AND ORGANS**

Capillaries of the human brain express very high levels of EPO receptor, as determined by immunohistochemistry using specific anti-EPO receptor antibodies. This provides a mechanism whereby EPO is able to penetrate into the brain from the systemic circulation, in spite of the blood brain barrier.



(57) Abstract: Methods and compositions are provided for treating a mammal having inflammation by protecting or enhancing a responsive cell, tissue, organ or body part exhibiting or associated with the inflammation, by systemic or local administration of a composition comprising a tissue protective cytokine. The invention also encompasses combination treatments comprising administering a composition comprising a tissue protective cytokine of the invention and administering at least one anti-inflammatory or least one immunomodulatory agent.

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